

**MAINTAINING DATA INTEGRITY WITHIN A DISTRIBUTED  
SIMULATION ENVIRONMENT**

**ABSTRACT OF THE DISCLOSURE**

A method and system for associating instrumentation data with a simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to the simulation model. In accordance with the method of the present invention, an instrumentation eventlist is delivered from the simulation client to the instrumentation server. The eventlist contains instrumentation event information for the simulation model. Next, within the instrumentation server, a digital signature is computed that uniquely identifies contents of the instrumentation eventlist as being associated with the simulation model. Responsive to receiving simulation data from the simulation client, the digital signature is utilized to associate the simulation data with the simulation model.